

# 318-TRS Cable H05RR-F

Eland Product Group **A5H**



## Application

Flexible cords suitable for use in domestic premises, such as kitchens and offices.

## Standards

BS6500, VDE0282

## Technical Data

### Conductor

Class 5 flexible plain copper conductors

### Voltage Rating

300/500V

### Insulation

Rubber compound

### Temperature Rating

-20°C to +60°C

### Sheath

Rubber compound

### Minimum Bending Radius

6 x overall diameter

### Sheath Colour

Black

### Conductor Identification

Brown, Blue, Green/Yellow

## Dimensions

Eland Part Numbers	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A5H030075BK	3 x 0.75	0.6	7.15	78
A5H03010BK	3 x 1.00	0.6	7.45	92
A5H03015BK	3 x 1.50	0.8	9.10	140
A5H03025BK	3 x 2.50	0.9	10.95	200

## Conductors

### Class 5 flexible Copper Conductors for Single Core and Multi-Core cables

1 Nominal Cross Sectional Area mm <sup>2</sup>	2 Maximum Diameter of Wires in Conductors mm	4 Maximum Resistance of Conductor at 20°C Metal-Coated Wires ohms/km
0.75	0.21	26.00
1.00	0.21	19.50
1.50	0.26	13.30
2.50	0.26	7.98

Table in accordance with BS EN 60228:2005 (previously BS6360)

## Electrical Characteristics

### Current Carrying Capacity (amperes): and Mass Supportable (kg)

Conductor Cross Sectional Area mm <sup>2</sup>	Current Carrying Capacity		Maximum Mass Supportable by Twin Flexible Cord (see Regulation 522-08-06) kg
	Single Phase AC A	Three Phase AC A	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
0.75	6	6	3
1.00	10	10	5
1.50	16	16	5
2.50	25	20	5

### Correction factor for ambient temperature 85°C and 90°C thermoplastic (pvc) or thermosetting (rubber) insulated cords:

Ambient Temperature	35 to 50°C	55°C	60°C	65°C	70°C
Correction Factor	1.0	0.96	0.83	0.67	0.47

The above table is in accordance with Table 4H3A of the 16th Edition of IEE Wiring Regulations.

### Voltage Drop (per ampere per metre)

Conductor Cross Sectional Area mm <sup>2</sup>	DC or Single Phase AC mV/A/m	Three Phase AC mV/A/m
<b>1</b>	<b>2</b>	<b>3</b>
0.75	62	54
1.00	46	40
1.50	32	27
2.50	19	16

Conductor operating temperature: 60°C\*

*The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.*